Cisco Data Center Network Manager
Release 11

Comprehensive management solution for VXLAN, LAN, SAN, and IP for media solutions

Cisco® Data Center Network Manager (DCNM) is the comprehensive management solution for all NX-OS network deployments spanning LAN or SAN fabrics and IP media networking in a data center powered by Cisco. DCNM 11 provides management, control, automation, monitoring, visualization, and troubleshooting across Cisco Nexus® and Cisco Multilayer Distributed Switching (MDS) solutions.

DCNM 11 supports multitenant, multifabric infrastructure management for Cisco Nexus Switches. DCNM also supports storage management with the Cisco MDS 9000 family and Cisco Nexus Switch storage functions.

The manager provides fabric-oriented configuration and operations management. It is optimized for large deployments with little overhead, but traditional deployments are supported as well for implementations that do not require automation. It is particularly well suited to control VXLAN-EVPN fabrics with extremely efficient Day-0, Day-1 deployment and operations capabilities. Fabric deployments can be customized by the user to meet business needs.

Benefits

• Reduce deployment time of VXLAN-EVPN fabrics to minutes using Cisco’s best practices
• Improve reliability of the fabric by constantly monitoring and checking compliance and health
• Reduce operation errors with predefined deployment models for reliable network provisioning
• Monitor and alert operators to failure conditions in the fabric that may impact service
• Visualize multiple data center fabrics with intuitive topology for LAN, SAN, IP Fabric for Media and compute

© 2018 Cisco and/or its affiliates. All rights reserved.
At a glance
Cisco public

Reduce complexity for data center deployments

Today’s data center deployments for LAN, LAN fabrics such as VXLAN, and SAN can get complicated and difficult to manage through Command Line Interface (CLI) or on a box-by-box basis. You need a manager or controller that understands complex concepts, amplifies your operations efforts, and gives visibility and situational awareness to large deployments. DCNM gives you those capabilities in addition it supports scenarios for broadcast media solutions with Cisco IP Fabric for Media.

Cisco DCNM enables you to:

- Deploy VXLAN-EVPN fabrics easily and in minutes with Cisco DCNM Fabric Builder
- Automatically maintain configuration compliance for LAN fabrics and fabric extensions
- Maintain and operate standard and VXLAN networks
- Visualize the whole data center networking solution comprising one or multiple fabrics
- Set alarms to monitor interfaces or environmental conditions and forward events to help prevent service impact
- Keep track of workloads (virtual machines and servers) as they move around the fabric to different hosts or ports
- Manage SAN zoning, VSAN, and end-to-end connectivity
- Use SAN telemetry functions for MDS storage switches
- Manage and visualize digital media flows in an IP Fabric for Media solution

Custom call to action

Start managing your NX-OS fabrics today using Cisco DCNM.

See https://www.cisco.com/go/dcnm for more details.

Contact your Cisco Sales representative for more information.

© 2018 Cisco and/or its affiliates. All rights reserved. Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: https://www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company.